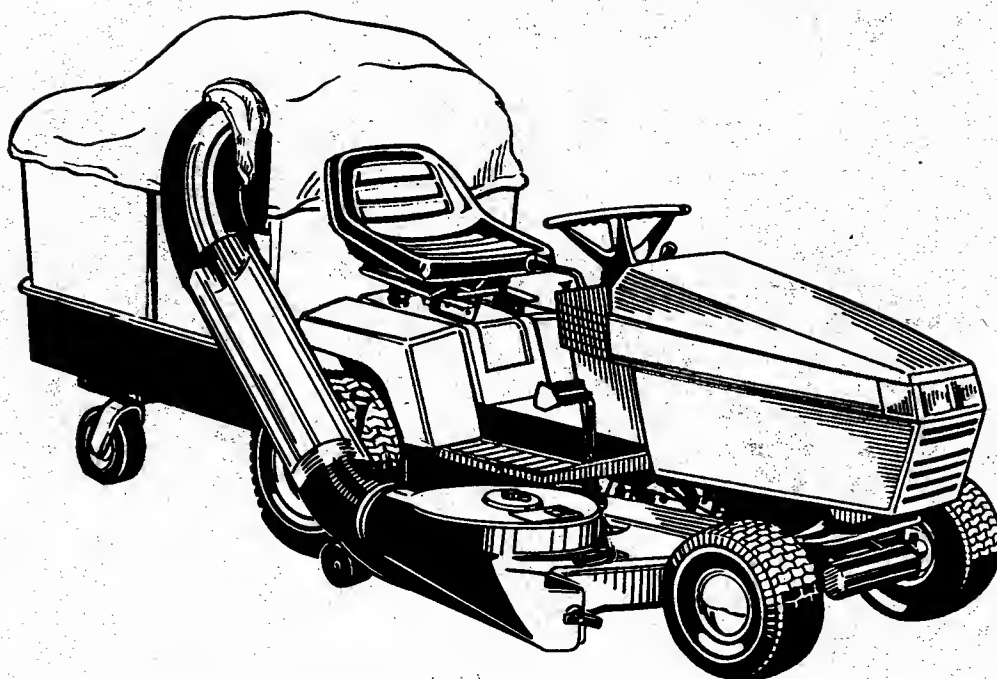


OPERATOR'S MANUAL DUMP CART & HITCH

**FOR USE AS UTILITY CART OR WITH GRASS
COLLECTION SYSTEM**



**FORM - 1705778
PRINTED IN U.S.A.
3/90**

**DUMP CART AND HITCH
MFG. NO. 1691869**

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Specifications

Over-all Length:	38 in. (96.5 cm)
Width:	33½ in. (85 cm)
Height:	21½ in. (54.6 cm)
Inside Box Length:	30½ in. (77.5 cm)
Width:	30½ in. (77.5 cm)
Height:	9 in. (22.9 cm)
Box Capacity:	4.5 cu. ft. (1.27 m³)
Weight Capacity:	300 lbs. (136.2 kg)
Pneumatic Tire Size:	410/350 x 4

Safety Rules



Read these safety rules and the safety rules in your Operator's Manual and follow them closely. Failure to obey these rules could result in loss of control of vehicle, severe personal injury to yourself, or damage to property or equipment. The triangle  in the text signifies important cautions or warnings which must be followed.

1. Know the controls and how to stop the tractor quickly. **READ THE TRACTOR'S OWNER'S MANUAL.**
2. Shut the engine (motor) off before attaching, adjusting or disconnecting the cart.
3. Check the cart to make sure it is attached securely to tractor.
4. Check the latch handle to make sure it is engaged so the cart's box is locked to the frame.
5. Look behind to make sure the area is clear before backing up.
6. **DO NOT** turn sharply when the tractor is alongside a building or any object.
7. **DO** drive in reduced speed on uneven ground and when turning corners.
8. Reduce loads on hillsides.



WARNING

Read and obey all safety warnings in your tractor Operator's Manual.



WARNING

Never operate on slopes greater than 30% (16.7°).



WARNING

Do Not Carry Passengers!



CAUTION

Do not carry more than 300 lbs. in the cart.

Safety Decal

**NO RIDERS
MAXIMUM LOAD
CAPACITY: 300 LBS.**

Located on Box.

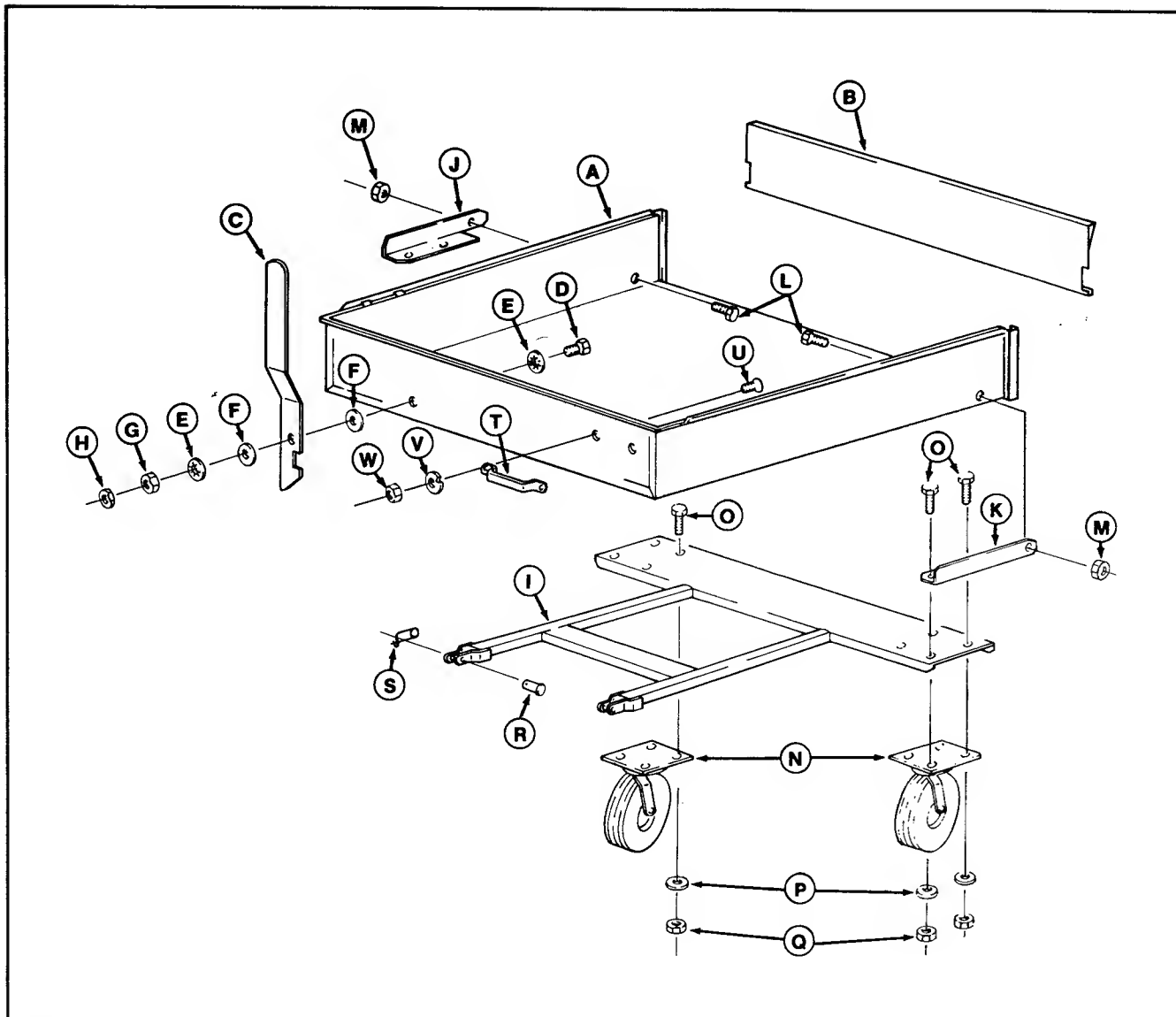


Figure 1

PARTS	QTY	PARTS	QTY.
A. Box	1	O. Capscrew, 3/8-16 x 1	8
B. Tailgate	1	P. Flat Washer, 3/8 S.A.E.	8
C. Latch Handle	1	Q. Locknut, 3/8-16	8
D. Capscrew, 5/16-18 x 1 1/4	1	R. Clevis Pin, 1/2 x 1 1/4	2
E. Spring Washer, 5/16	2	S. Safety Clip	2
F. Flat Washer, 5/16	2	T. Lift Handle	1
G. Nut, 5/16-18	1	U. Capscrew, 1/4-20 x 1/2	2
H. Jam Nut, 5/16-18	1	V. Lockwasher, 1/4	2
I. Frame	1	W. Nut, 1/4-20	2
J. Right Pivot Bracket	1		
K. Left Pivot Bracket	1		
L. Capscrew, 1/2-13 x 1	2		
M. Locknut, 1/2-13	2		
N. Swivel Wheel, 410/350-4	2		

Assembly of Cart

Note

There are two bags containing fasteners: one for the assembly of the cart and the other for the installation of the hitch. Sort out the hardware and arrange by size and type. Refer to figure 1. The letters S.A.E. indicate that the outside diameter is slightly smaller than other washers with same description.

1. Install the swivel wheels (A, figure 2) with right pivot bracket (B) and left pivot bracket (C) to the frame (D) with eight 3/8 x 1 capscrews, flat washers, and locknuts.
 - a. The two pivot brackets (figure 3) are installed on top of the frame with two of the four capscrews that attach the swivel wheel.
 - b. Before tightening the four locknuts on the cap-screws that attach the pivot bracket and swivel wheel to the frame, pull the pivot bracket toward the end of the frame so that there is a minimum width of 30 7/8" between the two pivot brackets.

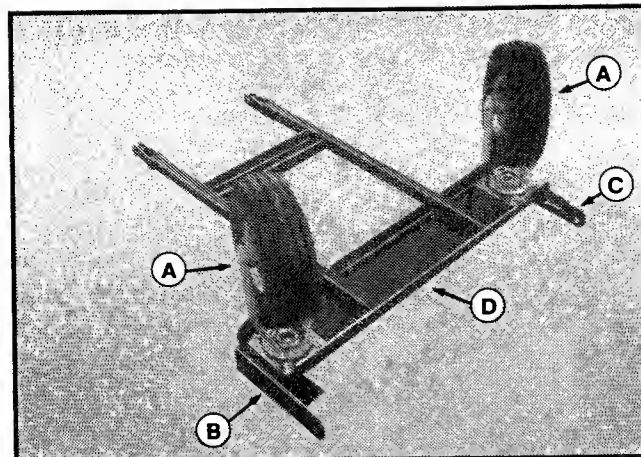


Figure 2

- | | |
|------------------------|-----------------------|
| A. Swivel Wheel | C. Left Pivot Bracket |
| B. Right Pivot Bracket | D. Frame |

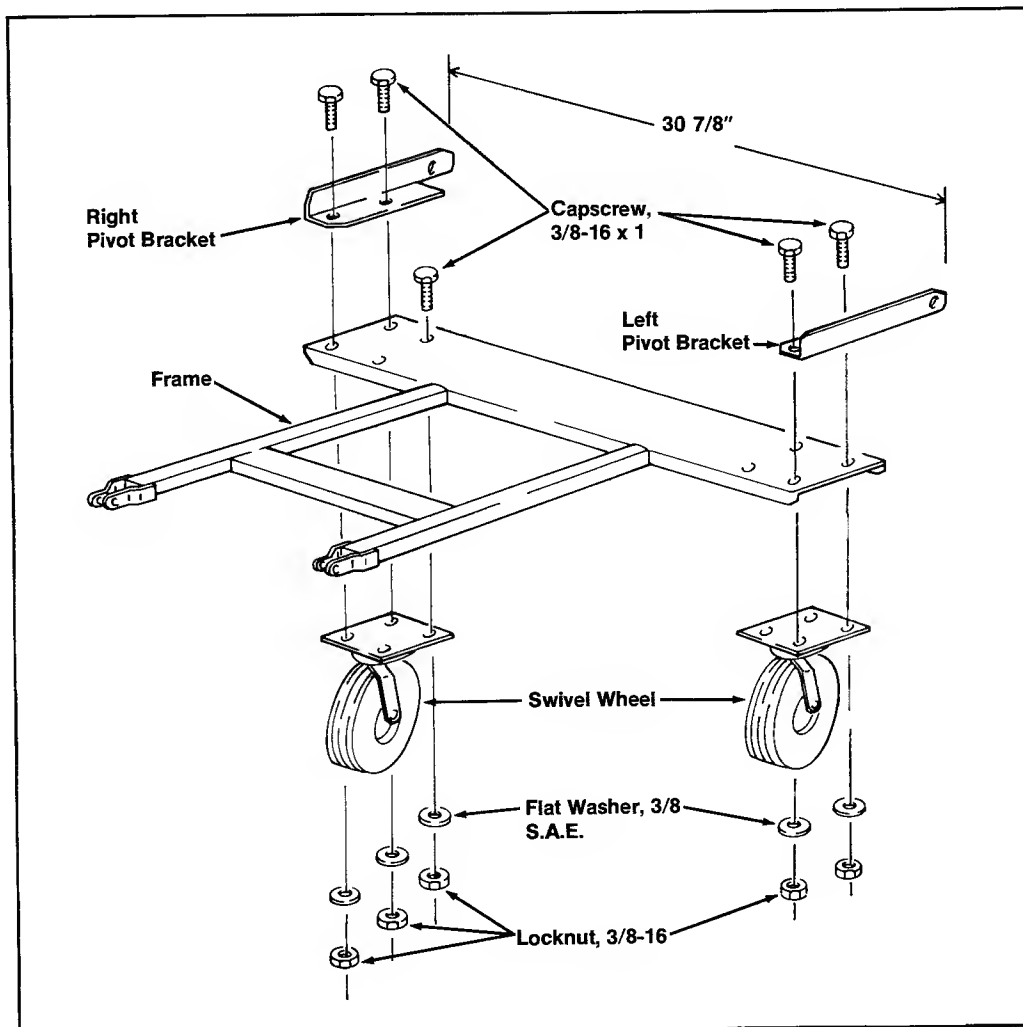


Figure 3

2. Install the cart's box (A, figure 4) to the frame between the two pivot brackets.
- a. Align the hole on each side of the box with the hole in the pivot bracket (B). Install 1/2 x 1 capscrew (C) from inside the box through the pivot bracket and secure with 1/2 locknut (D) on the outside.

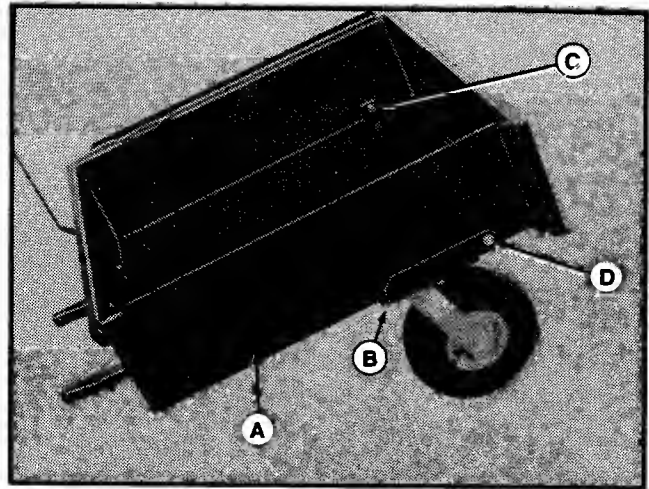


Figure 4

- | | |
|------------------|-------------------------|
| A. Box | C. Capscrew, 1/2-13 x 1 |
| B. Pivot Bracket | D. Locknut, 1/2-13 |

3. Install the latch handle (A, figure 5) and lift handle (B) on the outside of the box (C).
- a. Latch Handle: Place one 5/16 x 1 1/4 capscrew with 5/16 spring washer through the inside of the box. Next place a 5/16 flat washer over the bolt on the outside, the latch handle, a 5/16 flat washer, a 5/16 spring washer, a 5/16 nut and jam nut. Tighten the nuts so that when the latch handle turns the bolt and nuts will not turn. (Be sure the cups of the spring washers are facing toward the box surface on both sides.)
- b. Lift Handle: Place two 1/4 x 1/2 capscrews through the inside of the box and the lift handle. Secure with two 1/4 lockwashers and nuts.

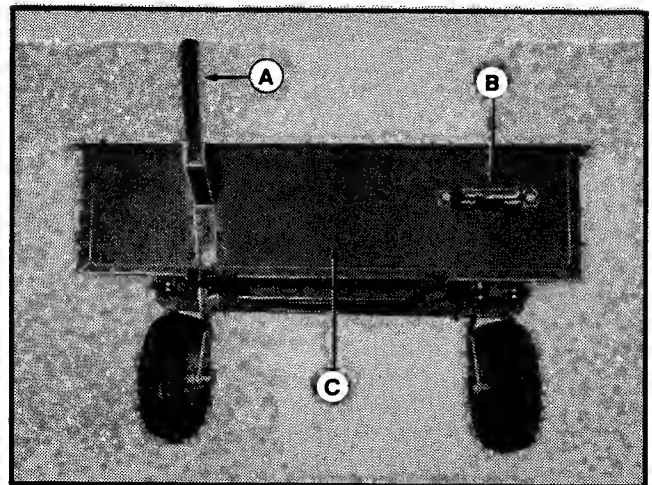


Figure 5

- | |
|-----------------|
| A. Latch Handle |
| B. Lift Handle |
| C. Box |

Assembly of Hitch

Note

Sort out the hardware and hitch parts. Refer to figures 6 and 7.

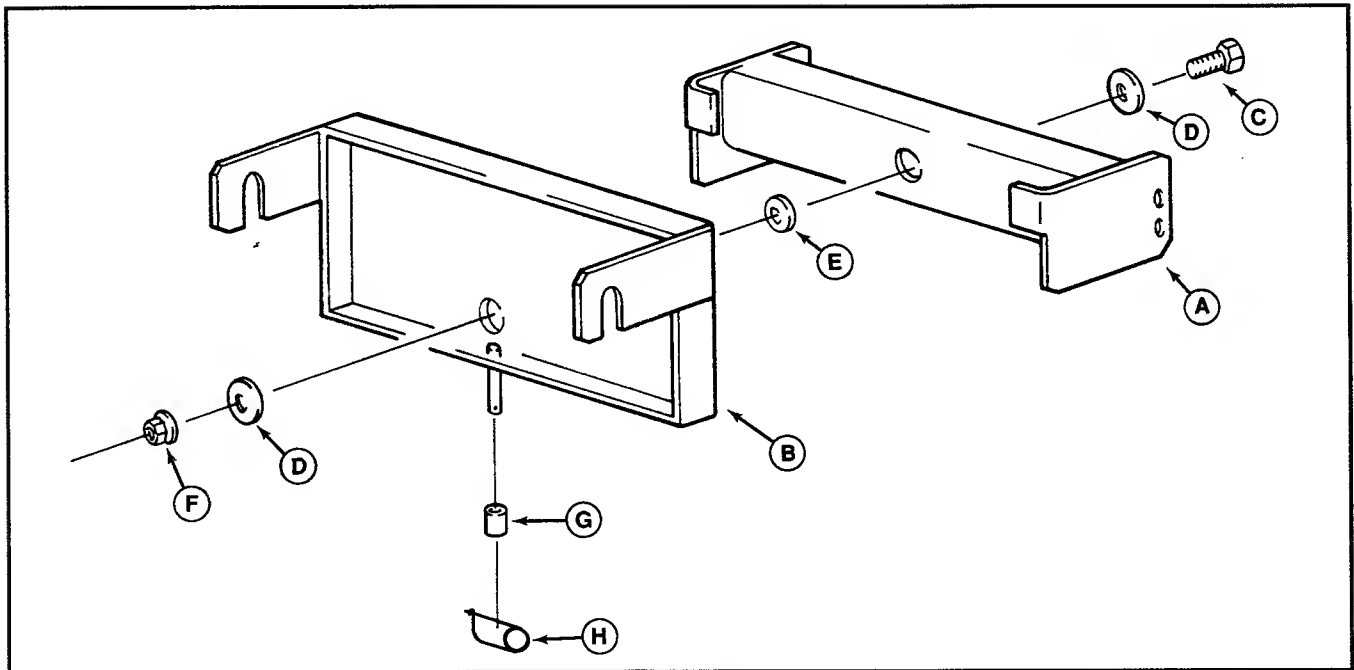


Figure 6

Hitch Parts	Quantity
A. Hitch Pivot Plate	1
B. Hitch Support Plate	1
C. Capscrew, 1/2-13x1-1/4	1
D. Flat Washers, 1/2 I.D.	2
E. Spacer, 1/2 I.D. x 1 O.D.	1
F. Flange Locknut, 1/2-13	1
G. Spacer, 1/2 I.D. x 3/4 O.D.	1
H. Safety Clip	1

Note

Assemble the hitch pivot plate (A, figure 6) to the hitch support plate (B).

1. Slide the hitch support plate through the tabs of the hitch pivot plate (figure 7).
2. Fasten the two hitch plates together using capscrew (C) and flat washer (D) on outside of hitch pivot plate; spacer (E) between the two plates; flat washer (D) and flange locknut (F) on inside of hitch support plate.

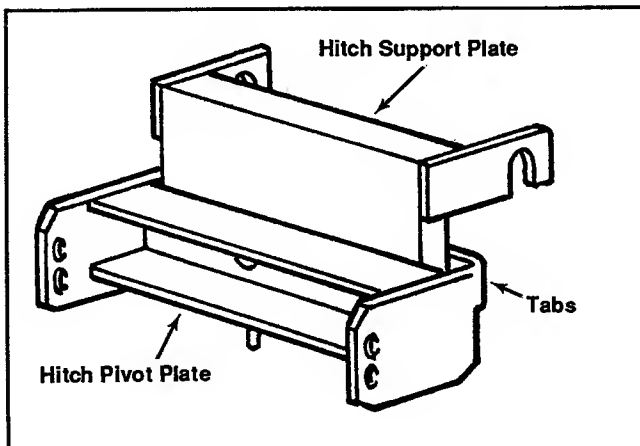


Figure 7

Installation of Hitch

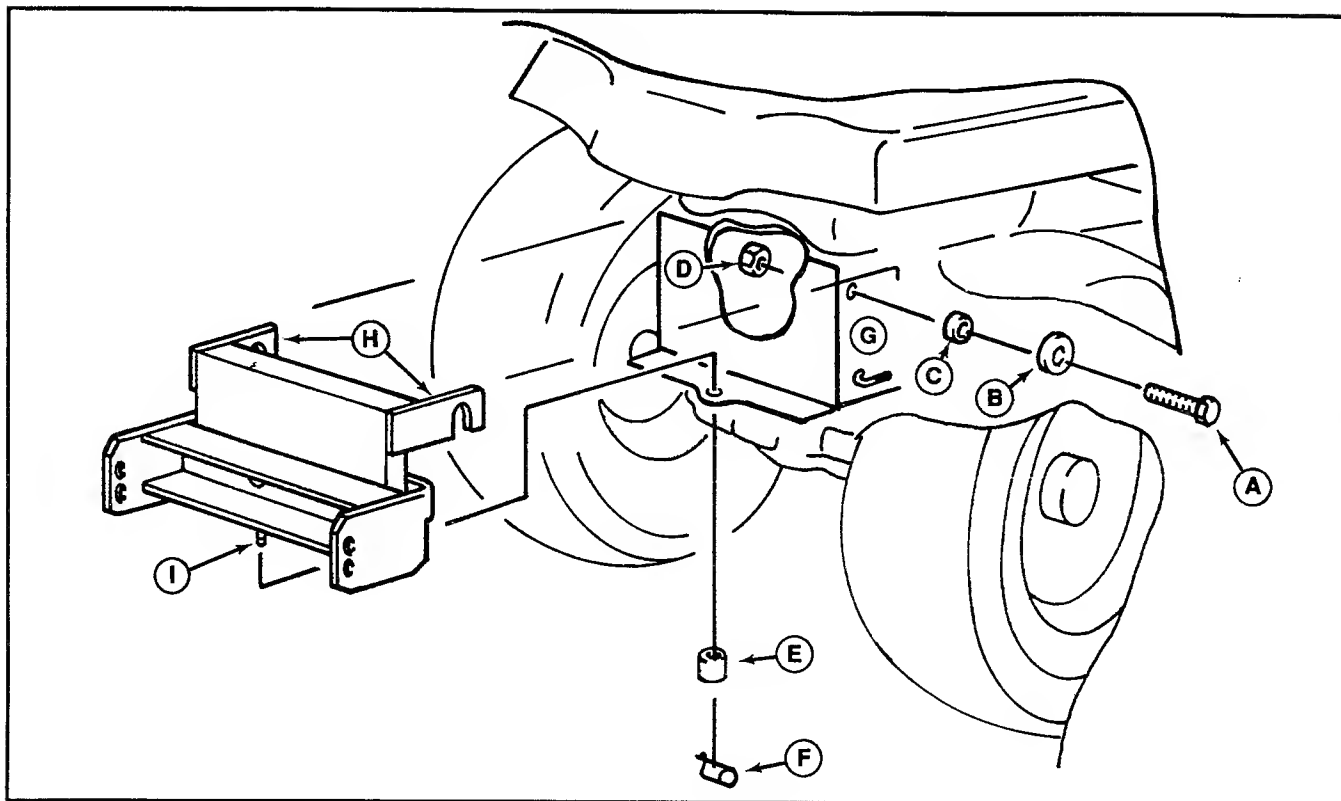


Figure 8

Parts	Quantity
A. Capscrew, 3/8-16x1-1/4	2
B. Flat Washer, 3/8	2
C. Spacer, 3/8 I.D.	2
D. Locknut, 3/8-16	2
E. Spacer, 1/2 I.D.	1
F. Safety Clip	1
G. Rear Frame	
H. Flanges	
I. Hitch Pin	

1. On the tractor, install two spacers (C, figure 8), one on each side of rear frame (G) using capscrew (A), flat washer (B), and spacer (C) through frame hole and secure with locknut (D) on the inside.
2. Hold the assembled hitch with the flanges (H) over the spacers and the drawbar. Slide the hitch downward so that the hitch pin (I) is secured in the drawbar hole and the flanges are hooked firmly on spacers.
3. Install spacer (E) and safety clip (F) to hitch pin to secure the hitch to the drawbar.

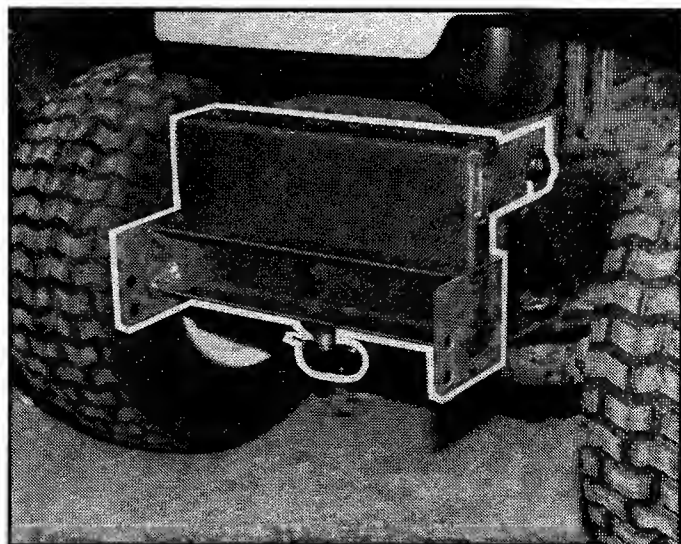


Figure 9

Maintenance

Wheels

Lubricate the wheel assembly before using the cart and as necessary thereafter. A grease fitting is located at swivel base. Use SAE multi-purpose type grease.

Tires

The tire pressure should be 30 psi.

Operation



WARNING

Shut the tractor's engine off before attaching, adjusting, or disconnecting the cart.



WARNING

Do not tow the cart on slopes greater than 30% (16.7°).



WARNING

Do Not Carry Passengers!



CAUTION

Do not carry more than 300 lbs. in the cart.

Attaching to Tractor

1. Attach the cart to the hitch using two clevis pins and safety clips.
2. Use one of two sets of holes in the hitch that will make the cart level with the tractor.

Dumping Loads

1. Back the tractor to the desired place for unloading. Shut the tractor's engine off before getting off the tractor's seat.
2. Lift the tailgate (A, figure 8) up so that the slots (B) on the tailgate are just above the track (C). Swing the tailgate (D, figure 9) down for unloading.

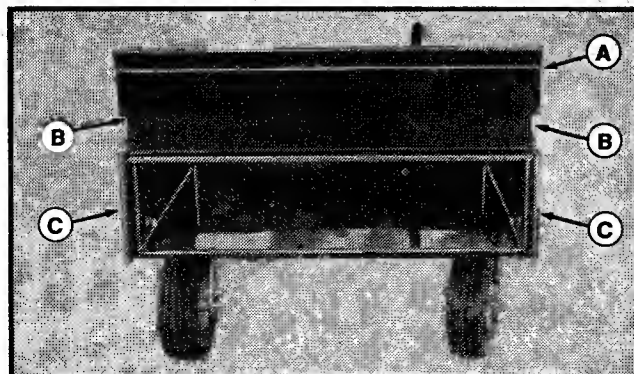


Figure 8

A. Tailgate
B. Slot

C. Track

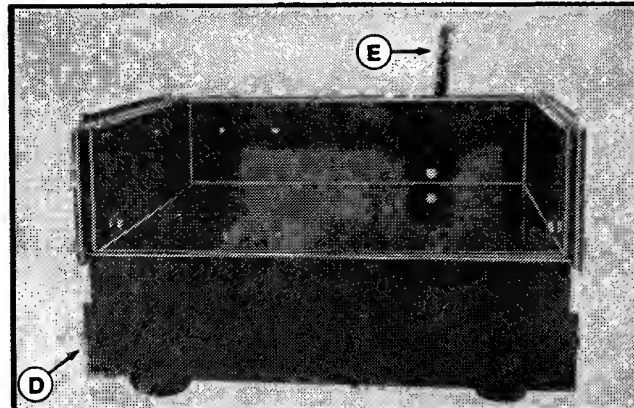
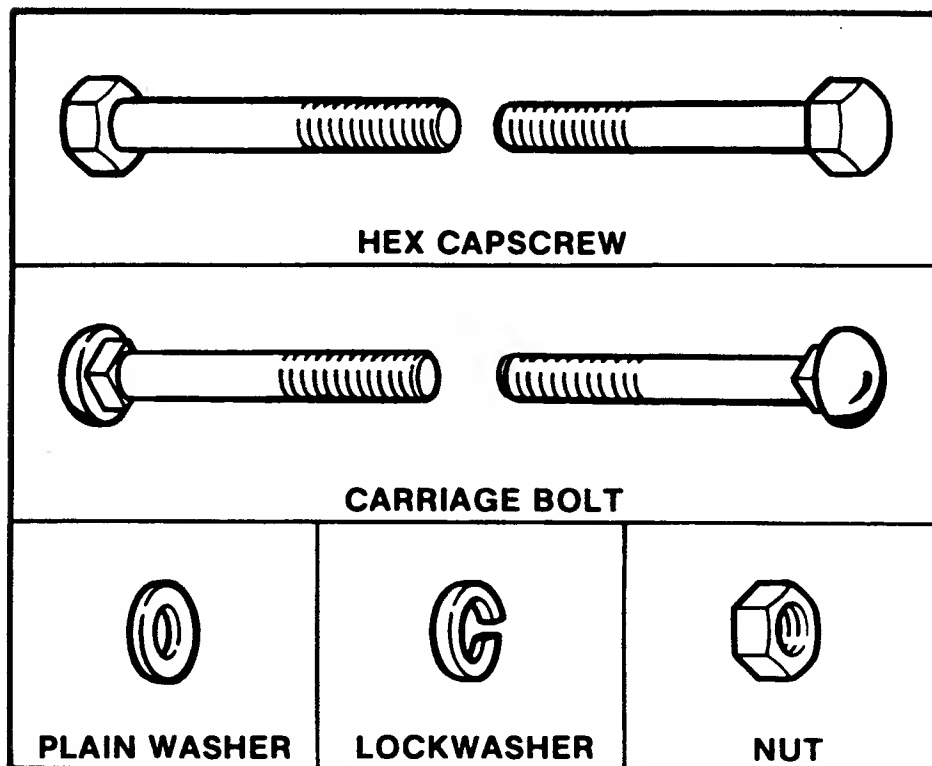


Figure 9

D. Tailgate

E. Latch Handle

3. When dumping the cart's box, the tailgate can be removed entirely from the cart by lifting it completely out of the track.
4. Move the latch handle (E) to the unlock position and dump the cart's box using the lift handle.



HEX CAPSCREW

CARRIAGE BOLT

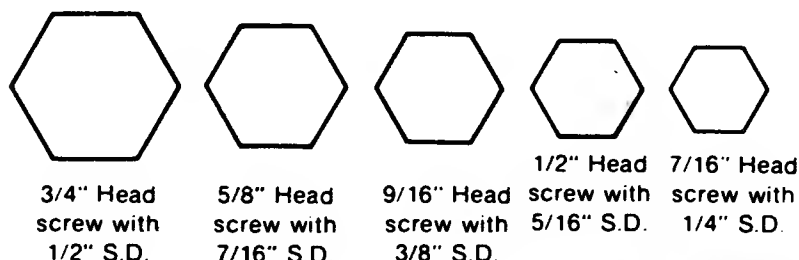
PLAIN WASHER

LOCKWASHER

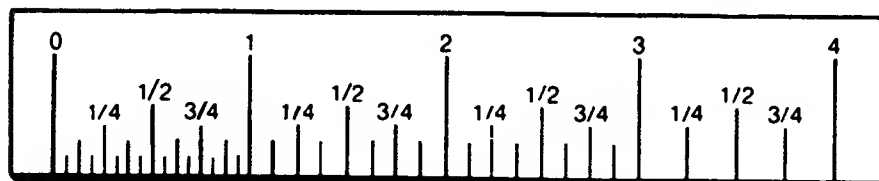
NUT

HEX CAPSCREW IDENTIFICATION

Shown below are actual size hex heads for standard screw sizes. Example: a 1/4" screw has a 7/16" head and thus requires a 7/16" wrench. To measure length, use the scale below.



S.D. = Shaft Diameter



WASHER AND NUT IDENTIFICATION

Place the washer or nut on the above scale to determine the inside diameter. The actual inside diameter can vary 1/16 inch. Use the scale for comparison.

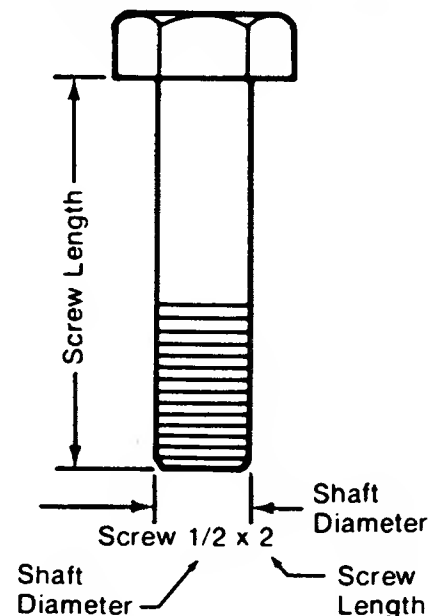
STANDARD FASTENER IDENTIFICATION CHART

Hardware sizes are given in the illustrations throughout this manual.

If a washer or nut is identified as "washer, 1/2" or "nut, 1/2", this means the inside diameter is 1/2 inch.

If a screw is identified as "screw, 1/2 x 2", this means the shaft diameter is 1/2 inch and the shaft of the screw is 2 inches long. If a screw is identified as "screw, 1/2-16 x 2", the number "16" means that the screw has 16 threads per inch.

SAMPLE: SCREW IDENTIFICATION



SAMPLE: NUT IDENTIFICATION

